

## Polk County, Florida

### 6—Eaton mucky fine sand, depressional

#### Map Unit Setting

*National map unit symbol:* 1jttp

*Mean annual precipitation:* 46 to 54 inches

*Mean annual air temperature:* 70 to 77 degrees F

*Frost-free period:* 350 to 365 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Eaton, depressional, and similar soils:* 80 percent

*Minor components:* 20 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Eaton, Depressional

##### Setting

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Interfluve, dip, talf

*Down-slope shape:* Concave, linear

*Across-slope shape:* Concave, linear

*Parent material:* Loamy and clayey marine deposits

##### Typical profile

*A - 0 to 6 inches:* mucky fine sand

*Eg - 6 to 29 inches:* fine sand

*Btg1 - 29 to 33 inches:* sandy clay loam

*Btg2 - 33 to 80 inches:* sandy clay

##### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 0 inches

*Frequency of flooding:* None

*Frequency of ponding:* Frequent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7w

*Hydrologic Soil Group:* C/D

*Other vegetative classification:* Freshwater Marshes and Ponds (R154XY010FL), Loamy and clayey soils on stream terraces, flood plains, or in depressions (G154XB345FL)

### **Minor Components**

#### **Felda, depressional**

*Percent of map unit:* 4 percent

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Other vegetative classification:* Freshwater Marshes and Ponds (R154XY010FL), Sandy over loamy soils on stream terraces, flood plains, or in depressions (G154XB245FL)

#### **Chobee, depressional**

*Percent of map unit:* 4 percent

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Other vegetative classification:* Freshwater Marshes and Ponds (R154XY010FL), Loamy and clayey soils on stream terraces, flood plains, or in depressions (G154XB345FL)

#### **Holopaw, depressional**

*Percent of map unit:* 3 percent

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Other vegetative classification:* Freshwater Marshes and Ponds (R154XY010FL), Sandy soils on stream terraces, flood plains, or in depressions (G154XB145FL)

#### **Floridana, depressional**

*Percent of map unit:* 3 percent

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Other vegetative classification:* Freshwater Marshes and Ponds (R154XY010FL), Sandy over loamy soils on stream terraces, flood plains, or in depressions (G154XB245FL)

#### **Winder, depressional**

*Percent of map unit:* 3 percent

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave, linear

*Other vegetative classification:* Freshwater Marshes and Ponds  
(R154XY010FL), Loamy and clayey soils on stream terraces,  
flood plains, or in depressions (G154XB345FL)

**Kaliga**

*Percent of map unit:* 3 percent

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Other vegetative classification:* Freshwater Marshes and Ponds  
(R154XY010FL), Organic soils in depressions and on flood plains  
(G154XB645FL)

## Data Source Information

Soil Survey Area: Polk County, Florida

Survey Area Data: Version 10, Sep 22, 2014